

Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Bridgebond™ 5 Litre Part B
Supersedes Date: 20/07/2018

Revision Date 23/03/2026
Revision Number 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name Bridgebond™ 5 Litre Part B
Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Curing chemical.
Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Company Name

Bridge Rubber & Plastics Ltd
Smith's Quay, Hazel Road
Woolston
Southampton, SO19 7GB
UK Tel: +44 (023)80434646
Fax: +44 (023)80437978

E-mail address info@bridgerubber.co.uk

1.4. Emergency telephone number

United Kingdom	+44 (023)80434646 (Monday - Friday 9am - 5pm)
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Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Flammable liquids	Category 2 - (H225)

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains Ethyl acetate



Signal Word

DANGER

Hazard statements

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H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapour

Special provisions concerning the labelling of certain mixtures

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P235 - Keep cool
P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public

2.3. Other Hazards

General Hazards

No information available.

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	EC No.	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Ethyl acetate	205-500-4	141-78-6	40 - <80	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066) Acute Tox. 4		01-2119475103-46 -XXXX
Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester)	223-981-9	4151-51-3	>25 - <40	(H302)		01-2119948848-16 -XXXX 01-2119432722-45
Chlorobenzene	203-628-5	108-90-7	0.1 - <1	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	::	-xxxx

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

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4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Skin Contact	Wash hands thoroughly after handling. Wash with plenty of soap and water.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Irritating to eyes. Drowsiness. Dizziness.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Evacuate personnel to safe areas. Remove all sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Collect spillage.

6.3. Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Use clean non-sparking tools to collect absorbed material.

6.4. Reference to other sections

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Referenceto other sections Section 8: EXPOSURE CONTROLS/PERSONALPROTECTION
Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Ke
smoking. Do not eat, drink or smoke when using this product.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Protect from moisture.

7.3. Specific end use(s)

Other Information

Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Ethyl acetate 141-78-6	-	TWA: 200 ppm STEL: 400 ppm	STEL: 400 ppm TWA: 200 ppm
Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester) 4151-51-3	-	TWA: 0.02 mg/m ³ STEL: 0.07 mg/m ³ Sensitiser	TWA: 0.02 mg/m ³
Chlorobenzene 108-90-7	TWA: 5 ppm TWA: 23 mg/m ³ STEL: 15ppm STEL: 70mg/m ³	TWA: 5 ppm TWA: 23 mg/m ³ STEL: 15 ppm STEL: 70 mg/m ³	STEL: 3 ppm STEL: 14 mg/m ³ TWA: 1 ppm TWA: 4.7 mg/m ³ Skin

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Tight sealing safety goggles.
Skin and Body Protection Suitable protective clothing.

Environmental Exposure Controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State Liquid
Colour Yellow Brown
Odour Ester
Odour Threshold No information available

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<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	approx 77 °C / 170.6 °F		
Flash Point	approx -4 °C / 24.8 °F		
Evaporation Rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air	No information available	Not applicable for liquids	
Upper flammability or explosive limits	No information available		
Lower flammability or explosive limits	No information available		
Vapour Pressure	No information available		
Vapour Density	1.0		
Relative Density	No information available		
Water Solubility	No information available		
Solubility in Other Solvents	No information available		
Partition Coefficient	No information available		
Autoignition Temperature	No information available		
Decomposition Temperature	No information available		
Explosive Properties	No information available		
Oxidising Properties	No information available		
Kinematic Viscosity	No information available		
Dynamic Viscosity	No information available		
9.2. Other information			
Softening Point			
Molecular Weight	No information available		
Solvent content (%)	No information available		
Solid content (%)	No information available		
Density	No information available		
Bulk Density	No data available		
VOC content (%)	No data available		

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity None under normal use conditions.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Protect from moisture.

10.5. Incompatible materials

No information available.

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10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

No information or data specific to the product on this toxicological (health) effect is available.

Inhalation	No data available.
Eye contact	Severely irritating to eyes.
Skin Contact	No data available.
Ingestion	No data available.
Sensitisation	No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation	Not applicable.
Serious eye damage/eye irritation	Not applicable.
Sensitisation	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 2,504.00 mg/kg

Component Information

Toxicity Data Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl acetate 141-78-6	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit) > 20 mL/kg (Rabbit)	LC0 29.3 mg/l air
Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester) 4151-51-3	-	-	5721 mg/l , 4h (dust/mist)

Section 12: ECOLOGICAL INFORMATION

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12.1. Toxicity

Ecotoxicity No information available

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Ethyl acetate 141-78-6	EC50 48 h = 3300 mg/L (Desmodesmus subspicatus)	LC50 96 h 220 - 250 mg/L (Pimephales promelas flow-through) LC50 96 h 352 - 500 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h = 484 mg/L (Oncorhynchus mykiss flow-through)	EC50 48 h = 560 mg/L (Daphnia magna Static)	
Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester) 4151-51-3	-	LC50 (96h) >100 mg/L Fish (Brachydanio rerio) Static	EC50 (48h) >100 mg/L Daphnia (Daphnia magna) Static	
Chlorobenzene 108-90-7	EC50 96 h = 12.5 mg/L (Pseudokirchneriella subcapitata) EC50 96 h 2.55 - 420 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 6.9 - 7.9 mg/L (Lepomis macrochirus flow-through) LC50 96 h 7 - 8.5 mg/L (Pimephales promelas flow-through) LC50 96 h 4.1 - 4.9 mg/L (Lepomis macrochirus static) LC50 96 h = 4.5 mg/L (Pimephales promelas static) LC50 96 h = 91 mg/L (Brachydanio rerio static) LC50 96 h 36.35 - 58.19 mg/L (Poecilia reticulata static) LC50 96 h 4.1 - 5.3 mg/L (Oncorhynchus mykiss flow-through)	EC50 48 h = 0.50 mg/L (Daphnia magna)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

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Waste from Residues/Unused Products Dispose of wastes in an approved waste disposal facility.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1 UN Number	UN1173
14.2 Proper Shipping Name	Ethyl acetate
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing Group	II
Description	UN1173, Ethyl acetate, 3, II, (D/E)
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None
Classification Code	F1
Tunnel restriction code	(D/E)
Limited Quantity (LQ)	1 L
ADR Hazard Id (Kemmler Number)	33

IMDG

14.1 UN Number	UN1173	Ethyl acetate	3	II	UN1173,
14.2 Proper Shipping Name	Ethyl acetate,	3, II,	(-4°C c.c.)	Np	None
14.3 Transport hazard class(es)	1 L	F-E,	S-D		
14.4 Packing Group					
Description					
14.5 Marine Pollutant					
14.6 Special Provisions					
Limited Quantity (LQ)					
EmS-No					
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code					No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN Number	UN1173
14.2 Proper Shipping Name	Ethyl acetate
14.3 Transport hazard class(es)	3
14.4 Packing Group	II
Description	UN1173, Ethyl acetate, 3, II
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None
Limited Quantity (LQ)	1 L
ERG Code	3L

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

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EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS
or
P5b - FLAMMABLE LIQUIDS
or
P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

15.2. Chemical safety assessment

None

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapour
H302 - Harmful if swallowed
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls and personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals		
STOT (RE)	Specific target organ toxicity - Repeated exposure		
STOT (SE)	Specific target organ toxicity - Single exposure		
EWC	European Waste Catalogue		

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

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Indication of changes

Revision Note

Not applicable.

Training Advice

No information available

Further information

No information available

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet